

Date: Sat, 22 Oct 94 04:30:20 PDT
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: List
Subject: Ham-Equip Digest V94 #387
To: Ham-Equip

Ham-Equip Digest Sat, 22 Oct 94 Volume 94 : Issue 387

Today's Topics:

 AMP for cellular phone (800 MHz)
 AZDEN 110 MODIF. REQUEST
 Need Recommendation: Base Station Antenna
 W1AW steps on others?

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 22 Oct 1994 03:27:32 GMT
From: mcduffie@unlinfo.unl.edu (Gary McDuffie Sr)
Subject: AMP for cellular phone (800 MHz)

HElliott@losat.redstone.army.mil writes:

>My Nokia bag phone is rated at 6 watts. Most of the "mobile" cell phones
>and some of the handhelds give the full legal limit of six watts according
>to my local Cellular 1 provider. Most of the handhelds are only 3 watts or
>less.

Unless I'm mistaken, mobiles are rated (legal) at either 3 or 3.5
watts. Most "pocket" phones are 600mw.

Gary

Date: Fri, 21 Oct 94 21:39:28 -0500

From: "John B. Monson" <jbmonson@delphi.com>
Subject: AZDEN 110 MODIF. REQUEST

Request info on the ability of the 110 to receive 800MHZ band frequencies.

Also, I understand that there is a keyboard combination which allows for 440 MHZ access.

Any and all help will be appreciated.

Thanks,

John Monson,
JBMONSON@DELPHI.COM

Date: 21 Oct 1994 22:09:15 -0400
From: wwhitby@aol.com (Wwhitby)
Subject: Need Recommendation: Base Station Antenna

After years of suffering in an apartment complex, I am moving into a house. As you can guess, I am going to put up a mast and antenna for 2m and 73cm. Can anyone recommend a good dual band omni directional antenna with modest gain that won't be heavy or break my budget. A tower is out because we are renting, so I need something I can put on a pole. Any recommendations would be greatly appreciated.

tnx and 73s de KE4ITL
Warren Whitby
wwhitby@aol.com

Date: Fri, 21 Oct 1994 23:33:48 GMT
From: jdc3538@ultb.isc.rit.edu (J.D. Cronin)
Subject: W1AW steps on others?

I don't listen to the ARRL station, W1AW, but some of the local folks do. Is it true that when their scheduled broadcast time comes they step on any unfortunate enough to have a QSO going on that frequency? Is this deliberate interference or do they have a right to the time/frequency above all others?

73...Jim N2VNO

Date: Fri, 21 Oct 1994 23:19:12 GMT
From: pouelle@uoft02.utoledo.edu

References<37s38l\$88s@hp-col.col.hp.com> <37tr88\$292@sulawesi.lerc.nasa.gov>,
<782593738snz@g8sjp.demon.co.uk>,<384fjs\$3pn@hp-col.col.hp.com>
Reply-To: pouelle@uoft02.utoledo.edu
Subject: Re: Alinco 6M FM

In article <384fjs\$3pn@hp-col.col.hp.com>, bobw@col.hp.com (Bob Witte) writes:
>Iain Philipps (ip@g8sjp.demon.co.uk) wrote:

> <snip>

>: > > Output power is 10 watts :-(
>: > > (seems kind of puny these days)

>

>: > The reason this and some other (yaesu) 6M rigs are 10 watts is that
>: > a 10 watt integrated power module is all that is available for this band.
>: > Sure you could build a discreet final module but that would cost much
>: > more.

>

>: Sure. EXCEPT ... isn't it the case that when 50MHz is open, your output power
>: merely governs how long you have to wait in line? And when it isn't open, you
>: probably can't afford the electricity to generate your own troposcatter?

>

> Remember this is an FM only rig... although I find 10 watts kind of puny
> for SSB work, it gets even more marginal for FM. With most 2M FM rigs
> running 30 to 50 watts these days, 10 seems kind of small.

>

>Bob Witte / bobw@col.hp.com / Hewlett Packard / PMO / KB0CY / (719) 590-3230

Ok all you more watts the better people - relax and engage your brains.
I have run 5 watts or less with a 5/8 wave ground plane on 2m with good
results - 40 miles regularly into a decent repeater, and it gets out well
enough for simplex - especially when I use a 5 element beam. As for 6m,
a friend worked New Mexico on < 3W ssb during a band opening. I would
suspect that 10W for 6m FM would be useable for modest local communication
when the band is not open and overkill (sometimes) when it is. Remember
it is easier to increase your range with a good antenna than with a power
amp. QST recently had a really good article about powering your way to an
s-9 signal - it's just not worth it!

73

Patrick

KB8PYM

pouelle@uoft02.utoledo.edu

Date: Sat, 22 Oct 1994 07:50:14 +0000

From: ip@g8sjp.demon.co.uk (Iain Philipps)

References<782593738snz@g8sjp.demon.co.uk> <384fjs\$3pn@hp-col.col.hp.com>,
<387aoj\$9ab@eram.esi.com.au>

Reply-To: ip@g8sjp.demon.co.uk

Subject: Re: Alinco 6M FM

In article <387aoj\$9ab@eram.esi.com.au>

dave@eram.esi.com.au "Dave Horsfall" writes:

> In article <384fjs\$3pn@hp-col.col.hp.com>,

> bobw@col.hp.com (Bob Witte) writes:

>

> | Remember this is an FM only rig... although I find 10 watts kind of puny

> | for SSB work, it gets even more marginal for FM. With most 2M FM rigs

> | running 30 to 50 watts these days, 10 seems kind of small.

>

> Don't a lot of European countries limit 6m to 10 watts to prevent TVI?

S'funny how different folks see different things. What's the difference, may I ask, between 10 watts and 30 (or even 50) watts? Lemmeseenow. 1/2 to 5/6 of one 'S' point?. Ahh - I know what it is - it's the inherent non-linearity of most guess-meters which move a whole inch when presented with a 3dB change in signal. That'll explain it.

As for the European 50MHz power limits, I'm not rightly sure. Until very recently, here in the U.K. we were limited to 100 watts EIRP (not a typo). With the (rapid) decline of utilization of Band I for broadcast TV purposes, we're now permitted 'full power' of 26dBW (as close to 400 watts as makes no difference) on the 50-51MHz segment of the band (which stops at 52MHz as far as we're concerned).

I'm not sure that there is much in the way of Band I TV left anywhere these days. However, 50MHz seems to be uncomfortably close to the IF frequency of our UHF TV sets, with the result that even 10 watts on any mode can make some folks eyes water :-).

Until last year, I had this problem myself. I spent two years trying to '50-meg-proof' a British-made UHF TV set, with very little success. I cured it in the end by going to the store and purchasing a new Sony

--

Iain Philipps

End of Ham-Equip Digest V94 #387
